|  | Index of Claims        |          |          |                  |              |         |              |                |                 |            |     |                 |               |   |          |          |              |                |             |          |              |          |     | Reexamination    |                  |           |          |                 |         |         |    |       |             |            |      |               |     |
|--|------------------------|----------|----------|------------------|--------------|---------|--------------|----------------|-----------------|------------|-----|-----------------|---------------|---|----------|----------|--------------|----------------|-------------|----------|--------------|----------|-----|------------------|------------------|-----------|----------|-----------------|---------|---------|----|-------|-------------|------------|------|---------------|-----|
|  |                        |          |          |                  |              |         |              |                |                 |            |     |                 | 1.1           | 10/007,583 Examiner Cristina Owen Sherr |          |          |              |                |             |          |              |          |     |                  | BERTRAM ET AL.   |           |          |                 |         |         |    |       |             |            |      |               |     |
|  |                        |          |          |                  |              |         |              |                |                 |            |     |                 |               |   |          |          |              |                |             |          |              |          |     |                  | Art Unit<br>3621 |           |          |                 |         |         |    |       |             |            |      |               |     |
| . THE PROPERTY OF THE PERSON CANDER STREET AND THE PERSON STATE STREET |                        |          |          |                  |              |         |              |                |                 |            |     |                 |               |   |          |          |              |                |             |          |              |          |     |                  |                  |           |          |                 |         |         | c  |       |             |            | •    |               |     |
|  |                        |          | _        | _                |              |         | _            |                |                 | _          |     |                 |               | _                                       | _        |          |              |                |             |          |              |          |     |                  |                  |           |          |                 |         |         |    | _     | _           | _          | _    | _             |     |
| √ Rejected – (Through numera<br>Cancelled                              |                        |          |          |                  |              |         |              |                |                 |            | al) |                 |               | N                                       | Non-E    |          |              | ected          |             |          | A            |          | A   | ppe              | al               |           |          |                 | ٠       |         |    |       |             |            |      |               |     |
| :  |                        |          | -        | Allowed          |              |         |              | H              |                 |            |     |                 |               |   | H        |          |              |                |             | Н        |              |          |     |                  |                  | $\dashv$  |          |                 |         |         |    |       |             |            |      |               |     |
| <b>.</b>   |                        |          | =        |                  |              |         |              | +              |                 | Restricted |     |                 |               |   |          | ı        | Interference |                |             |          | 0            |          | Ob  | jec              | ted              | l         |          |                 |         |         |    |       |             |            |      |               |     |
|  | Claim Date             |          |          |                  |              |         |              | Claim          |                 |            |     |                 |               |   |          |          | _            | ा ः त          |             |          | C            | alm      |     | Date             |                  |           |          |                 |         |         | 1  |       | ٠.          |            |      |               |     |
|  | 100                    |          |          | 80               |              |         |              |                | $\Box$          | 7          |     |                 | $\overline{}$ |   |          |          |              | Date           | П           | ٦        | П            |          | 1.1 | : -              |                  | П         | Т        | Т               | Ť       | Ť       | Т  | 7     | $\neg \neg$ | 1          |      | ٠             |     |
| •  | Final                  | Original | 1        | 7                | 쉯            | -       |              |                |                 |            | 1   | Flnal           | Original      |   |          |          |              |                |             | - 1      |              |          |     | Final            | Original         | П         | -        | 1               | 1       | 1       |    |       |             |            |      | •             | ٠.  |
| •  | 1 "                    | ō        | 1/1/12   |                  | 128          | _       | 1            | 1              |                 |            |     | <u> </u>        | 5             |   |          |          |              |                |             | ŀ        |              | ŀ        | . 7 |                  | हि               | 11        | ۱.       | ı               |         | 1       |    |       | 1           | Į          | ٠    |               |     |
|  |                        | 0        | J        | Z                | Ï            | 士       | 土            | 土              | 廿               | $\exists$  |     |                 | 51            |   |          | Н        | H            | М              |             | 7        | 7            |          |     | _                | 101              | Н         | $\dashv$ | +               | +       | +       | ╁  | ╁     | ┿           | Ι.         |      | ·             |     |
|  |                        | 2        | 4        | 丌                | 4            | 工       | 工            | oxday          | П               |            |     |                 | 52            | 匚                                       |          |          |              | 口              |             | $\Box$   |              |          |     |                  | 102              |           |          |                 |         | I       | I  | 上     | 工           | [          |      | •             |     |
| •  | -                      | 3        | Ш        | +++              | #            | -       | +            | ╀              | ┦               | _          | *:  |                 | 53            | <b> </b>                                | <b>├</b> | Ш        | Ш            | Н              | $\dashv$    | 4        | 4            | 4        | :   | _                | 103              | П         | _        | $\perp$         | 1       | 1       | I  | I     |             | ]          |      |               |     |
|  | -                      | 5        | Н        | Н                | ++           | +       | ╌            | ╁╴             | ╁┼              | -          |     | _               | 54<br>55      | ├                                       | ╁╾       | Н        |              | Н              | $\dashv$    | ┥        | ┥            | ⊣        | Ç.  | ├—               | 104<br>105       | Н         | $\dashv$ |                 | +       | ┿       | ╀  | ╁     | ┼           | ł          |      |               |     |
|  |                        | 6        | Ш        | 11               | #            | 十       | +            | 十              | +-+             | ᅱ          |     | _               | 56            | ┢                                       | Н        | Н        | Н            | H              | $\dashv$    | +        | ᅥ            | ┪        |     | <del> </del>     | 105              | Н         | $\dashv$ | +               | ╅       | ┿       | 十  | +     | ╁╌          | ł          |      |               |     |
|  |                        | 0        |          | $oldsymbol{\Pi}$ | m II         | 工       |              | 工              |                 |            |     |                 | 57            |   |          |          |              |                |             |          |              | ゴ        | Ī   |                  | 107              | П         | 寸        | 十               | +       | +       | 十  | +     | ✝           | ĺ          |      |               |     |
|  | <u></u>                | Ø.       | Щ        | Щ                | 4            | 4       | 1            | Ţ              | $\Box$          |            |     |                 | 58            |   |          |          |              | $\Box$         | $\Box$      |          |              | $\Box$   | . ] |                  | 108              |           | $\Box$   | T               | I       | I       | I  | 上     | 匚           | 1          |      |               |     |
|  | -                      | 9        | H        | ++               | ++           | +       | +            | +              | ┦               | 4          | • • |                 | 59<br>60      | ╙                                       | ₩        | Н        | <b>—</b>     | $\vdash$       | -           | 4        | -            | -        | - ] | <u> </u>         | 109              | $\sqcup$  | 4        | 4               | 1       | 1       | 1  | 1     | L           | ]          |      |               |     |
|  | -                      | 11       | H        | +                | ++           | +       | +            | +              | H               | $\dashv$   |     | _               | 61            | ╀╌                                      | ╁╌       | Н        | $\dashv$     | <del>-  </del> | -           | +        | +            | .        | À   | <del> </del> -   | 110<br>111       | $\vdash$  | +        | +               | +       | +       | +  | +-    | ┼           | ١.         |      |               | •   |
|  |                        | 12       | H        | 1                | #            | 十       | +            | +              | H               | $\dashv$   |     | $\vdash$        | 62            | ⊢                                       | H        | Н        |              | ┌┯┪            | $\dashv$    | +        | -            | 一        |     | ├─               | 112              | Н         | ╗        | <del> .</del> , | +       | 十       | ┿  | +     | ╁╌          | 1          |      |               |     |
|  |                        | .13      |          | П                | $\Pi$        | 工       | 工            | 工              |                 | 1.         |     |                 | 63            |   |          |          |              | <i>.</i>       | ٦.          | 7        | 1            | ٦.       |     | <u> </u>         | 113              | ╁         | $\dashv$ | +               | 十       | +       | +  | +     | ╁┈          | 1.         |      |               |     |
|  |                        | 14       | Ц        | П                | $\mathbf{I}$ | $\bot$  |              | I              | П               | $\equiv$   | [ ] |                 | 64            |   |          |          |              | $\Box$         |             | =[       |              | ]        |     |                  | 114              |           | - 1      | I               |         | I       | 士  |       |             |            |      | <del></del> - |     |
|  | <u> </u>               | 15<br>16 | Н        | ++               | #            | +       | +-           | ╀              | ┦               | 4          |     | <b> </b>        | 65            | L                                       | $\sqcup$ | Н        |              | $\dashv$       | 4           | 1        | 4            | 4        | :   |                  | 115              | Ц         | 1        | 1               | T.      | I       | Ţ  | I     |             | ]          |      |               |     |
|  | <b>—</b>               | 17       | Н        | ++               | ₩            | +       | +            | ┿              | ╀┤              | $\dashv$   |     | Щ               | 66<br>67      | <u> </u>                                | ┟╌┤      | Н        | Н            | $\dashv$       | $\dashv$    | +        | $\dashv$     | -1       |     | <b> </b>         | 116              | Н         | +        | 4               | +       | +       | +  | +     | —           | Į          |      |               |     |
|  |                        | 18       |          | +                | +            | +       | +            | +              | H               | -          |     |                 | 68            | $\vdash$                                | ╁╌       | $\vdash$ | -            | $\neg$         | -           | +        | +            | $\dashv$ |     | ├─               | 117<br>118       | Н         | +        | +               | +       | +       | +  | +     | ⊢           | <b>∤</b> - |      |               |     |
|  |                        | 19       |          | I                | 土            | 士       | 上            |                | H               | ゴ          |     |                 | 69            | H                                       | $\vdash$ | Н        | $\neg$       | $\dashv$       | 7           | +        | +            | $\dashv$ | -   | ├─               | 119              | $\vdash$  | +        | +               | +       | 十       | +  | +-    | ┼─          | ł          |      |               |     |
|  |                        | 20       |          |                  | $\Box$       | 工       | I            | L              |                 |            | 17. |                 | 70            |   |          |          |              |                | $\Box$      | I        | コ            | •        |     |                  | 120              |           | 1        | 1               | 1       | †       | +  | 十     | $\vdash$    | 1          |      |               |     |
|  | <u> </u>               | 21       | -        | $\dashv$         | _            | 4       | 4            | 1_             | Ц               | $\exists$  |     |                 | 71            |   |          |          | $\Box$       | $\Box$         | $\sqsupset$ |          |              | $\Box$   | ,_  |                  | 121              |           | $\Box$   | $\Box$          | $\perp$ | I       | I  |       |             | ]          |      |               |     |
|  | ├                      | 22<br>23 | $\vdash$ | -                | +            | +       | +            | ╀              | ₩               | 4          |     | $\vdash \vdash$ | 72            | Щ                                       | ┦        | Н        | _            | $\dashv$       | -           | -        | 4            |          | ٠   |                  | 122              | Ш         | 4        | 1               | 4       | Ļ       | 1_ | L     |             | Į          |      | •             | •   |
|  |                        | 24       | Н        | +                | +            | +       | +-           | +-             | ╂╼╂             | ᅱ          |     | $\vdash\vdash$  | 74            | ⊢                                       | ⊣        | -        | -            | $\dashv$       | $\dashv$    | $\dashv$ | +            | 4        |     | <u> </u>         | 123<br>124       | ┦         | +        | -               | +       | ╂-      | +- | +     | ╀           | Į          |      |               |     |
|  |                        | .25      |          | 士                | 士            | 士       | +            | †              | <del> -</del> - | ㅋ          |     | <del>  </del>   | 75            | -                                       | -        |          | · ·          |                | -           | ᅥ        | +            | 一.       |     | <del>- ,</del> - | 125              | ┥         | +        | ╪               | +       | +       | ╁  | +-    | ╀┦          | 1          |      |               |     |
|  |                        | 26       |          | $\Box$           | $\Box$       | 工       | E            |                |                 | ::         |     |                 | 76            |   |          |          |              |                | 可           | =1       | =            | =1.      | •   |                  | 126              |           | 1        | =†              | +       | +       | +- | +     | $\vdash$    |            | . ·• | ٠.            |     |
| •  | <u> </u>               | 27       |          | 4                | 4            | 4       | 4            | $\perp$        |                 | $\Box$     | ·   |                 | 77            |   |          | Ш        | $\Box$       | $\Box$         | $\Box$      | $\Box$   | $\Box$       | $\Box$   | 1   |                  | 127              |           |          |                 |         |         |    |       | $\Box$      |            | •    | •             |     |
|  | ├-                     | 28<br>29 | $\dashv$ | $\dashv$         | +            | +       | +            | ╀              | ╁┵              | ᅬ          |     |                 | 78            |   | Ш        | Ш        | _            | 4              | 4           | 4        | 4            | $\dashv$ |     |                  | 128              | П         | $\perp$  | $\perp$         | I       | I       | I  | I     | $\Box$      | l          |      |               |     |
|  | -                      | 30       |          | 十                | ┿            | +       | ╌            | ╆              | ╂╼┼             | ⊣          |     |                 | 79<br>80      | H                                       | Н        | $\vdash$ | -            | $\dashv$       | -           | 4        | ┵            | —Մ       |     |                  | 129<br>130       | ┨         |          | +               | +       | +       | ╀  | 4     | ₩           |            |      |               |     |
| • .  |                        | 31       | $\neg$   | す                | 十            | 十       | +            | 十              | $\vdash$        | ᅥ          |     |                 | 81            | $\vdash$                                | H        | -        | $\dashv$     | ᆉ              | ┪           | ┪        | ┪            | -∤:      | ::- |                  | 131              | -         | ┽        | ╌               | ╁       | ╁       | ╀  | ╀     | ╂╼┦         | İ          | •    |               |     |
|  |                        | 32       | $\Box$   | $\Box$           | $\Box$       | $\perp$ | I            | Γ              |                 | ]          |     |                 | 82            |   |          |          | コ            | $\neg$         | ┪           | 7        | 7            | ٦.       | ٠.  |                  | 132              | Н         | ┱        | +               | 十       | +-      | +  | ╁     | Н           |            |      |               |     |
| •  |                        | 33       | _        | $\dashv$         | 4            | $\bot$  | $\perp$      | oxdapprox      | $\Box$          | ┒          |     |                 | 83            |   |          |          | $\Box$       | $\exists$      | $\Box$      | コ        | $\Box$       | IJ'.     |     |                  | 133              |           | $\Box$   |                 |         |         |    |       |             |            |      |               |     |
|  | $\vdash$               | 34<br>35 |          | 4                | +            | +       | +-           | ╄              | $\vdash$        | 4          |     | -               | 84            | Н                                       | Ш        |          |              | 4              | 4           | 4        | $\downarrow$ |          |     |                  | 134              | П         | $\perp$  | $\Box$          | I       | $\perp$ | I  |       |             |            |      | -             | •   |
|  | $\vdash$               | 36       | $\dashv$ | +                | ┿            | +       | ┿            | ╀              | ╁┼              | 4          |     |                 | 85<br>86      | Н                                       | $\vdash$ | $\vdash$ | -            | ↲              | ┥           | +        | 4            | վ։       | :   |                  | 135              | H         | +        | 4               |         | +       | ╀- | ╄     | Ш           |            |      |               |     |
|  | $\vdash$               | 37       | $\dashv$ | 7                | . +          | 十       | +            | $\vdash$       | $\vdash$        | ᅱ          | ``} |                 | 87            | =                                       | Н        | $\dashv$ | _            |                |             | $\dashv$ | +            | _:       |     |                  | 136<br>137       | Н         | +        |                 |         | ╫       | ╁╌ | ╁╌    | Н           | ĺ          |      |               |     |
|  |                        | 38       |          | $\Box$           | I            | I       | I            | $\Box$         |                 | ]          | `[  | · <b>-</b> ·    | 88            |   |          | ╗        | $\exists$    | $\exists$      | ヿ           | -        | +            | -        | 1   |                  | 138              | ∺         | -        |                 | _       | +       | 十  | ╁     | $\vdash$    |            |      |               |     |
|  |                        | 39       | 4        | 4                | $\perp$      | 1       | $\perp$      | $\sqsubset$    | $\Box$          | ╗          | ٠.  |                 | 89            |   |          | コ        | $\Box$       | $\Box$         | $\Box$      |          |              |          | 1   |                  | 139              |           | -1       |                 |         | $\top$  | T  |       | П           | İ          |      | •             |     |
|  | $\vdash$               | 40       | -+       | +                | +            | +       | +-           | <del> </del> — | ⊢               | 4          | . } |                 | 90            | Ш                                       | Н        | 4        | -4           | 4              | 4           | 4        | 4            | $\dashv$ | . [ |                  | 140              | $\exists$ | 7        | $\perp$         |         | $\perp$ | Γ  | oxday |             | l          |      |               |     |
|  |                        | 42       | -        | +                | +            | 十       | ╁╌           | $\vdash$       | $\vdash$        | ᅥ          | Ì   |                 | 91<br>92      |   | $\vdash$ | $\dashv$ | $\dashv$     | -              | $\dashv$    | +        | -            | 4        | ٠   | _                | 141              | $\vdash$  | +        | +               | 4-      | ╄       | Ļ  | ╄-    | Ш           | İ          |      |               |     |
|  |                        | 43       | ⋾ऻ       | ナ                | 十            | +       | ╈            | $\vdash$       | $\vdash$        | ┪          | : } | $\dashv$        | 93            |   | $\dashv$ | +        | $\dashv$     | $\dashv$       | +           | ╅        | +            | ┥.       | ł   | -                | 143              | ┝╅        | +        | ╁               | +-      | ╁       | ╁  | +-    | Н           | İ          |      |               |     |
|  |                        | 44       | I        | 工                | I            | 工       | İ            |                |                 | 1          | ·t  |                 | 94            |   |          | 寸        | 7            | $\dashv$       | ナ           | 7        | 十            | ┥        | 1   |                  | 144              | $\dashv$  | ╅        | ╅               | 十       | ╈       | †  | +     | ╁┤          | İ          |      |               |     |
|  |                        | 45       | $\Box$   | ightarrow        | $\bot$       | $\bot$  | oxdot        | $\square$      | $\Box$          | ]          | . [ | $\Box$          | 95            |   | $\Box$   | $\Box$   | コ            | コ              | ユ           | 1        | ユ            | J        | ľ   |                  | 145              |           |          |                 |         | T       | T  | +     | П           | ĺ          |      |               |     |
|  | ┝╼╉                    | 46       | -        | +                | +            | +       | <del> </del> | ┦              | $\vdash \vdash$ | ╣.         | ٠,  |                 | 98            | $\dashv$                                | $\dashv$ | _        | 4            | 4              | $\Box$      | $\perp$  | $\downarrow$ | ]        |     |                  | 146              |           | I        | $\perp$         | I       |         | Γ  |       |             |            |      | •             | '   |
|  | $\vdash \vdash \vdash$ | 48       | -+       | ╬                | +            | 十       | ╁╌           | Н              | $\vdash$        | ┥          | ŀ   | $\rightarrow$   | 97<br>98      | $\dashv$                                | -        | +        | +            | -+             | +           | +        | 4            | 4        | ŀ   |                  | 147              | $\dashv$  | 4        | 4:              | ٠.      | ╀       | ╀  | Ŀ     | Li          |            | •    |               |     |
|  |                        | 49       | $\dashv$ | 十                | 十            | 十       | $\top$       | H              | ╁               | -          | +   | -:-             | 99            | Ⅎ                                       | -        | $\dashv$ | +            | +              | +           | +        | +            | $\dashv$ | ŀ   |                  | 148<br>149       | +         | ╬        |                 | _       | ╀       | ┼- | +-    | Н           |            |      | •             |     |
|  |                        | 50       | I        | 士                | $\perp$      | $\top$  | 1-           | Н              |                 | ᅻ.         | ٠ ٢ |                 | 100           | -                                       | ╗        | ヿ        | _            | 十              | $\dashv$    | ╁        | +            | ┦.       | ·ŀ  |                  | 150              |           | +        |                 | +.      | ╁       | ╫  | +-    | Н           |            |      |               |     |
|  |                        |          |          |                  |              |         |              |                | _               | _          | _   |                 |               |   | +        |          | _            | <del></del>    |             | _        |              |          | Ç   |                  |                  |           | ٦,       |                 |         |         | 4  | ٠.    | لب          |            |      |               | - 1 |

Application/Control No.

Applicant(s)/Patent under